CORRECTION #2 [redacted]

Confidentiality Requested:
☐ Yes ☑ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1374317

Form ACO-1
November 2016
**Form must be Typed**
**Form must be Signed**
**All blanks must be Filled**

# WELL COMPLETION FORM
## WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 30742
Name: Palomino Petroleum, Inc.
Address 1: 4924 SE 84TH ST
Address 2:
City: NEWTON State: KS Zip: 67114 + 8827
Contact Person: Klee Robert Watchous
Phone: ( 316 ) 799-1000
CONTRACTOR: License # 33575
Name: WW Drilling, LLC
Wellsite Geologist: Sean Deenihan
Purchaser: NCRA

Designate Type of Completion:
☑ New Well ☐ Re-Entry ☐ Workover
☑ Oil ☐ WSW ☐ SWD
☐ Gas ☐ DH ☐ EOR
☐ OG ☐ GSW
☐ CM *(Coal Bed Methane)*
☐ Cathodic ☐ Other *(Core, Expl., etc.)*:

If Workover/Re-entry: Old Well Info as follows:
Operator:
Well Name:
Original Comp. Date: Original Total Depth:
☐ Deepening ☐ Re-perf. ☐ Conv. to EOR ☐ Conv. to SWD
☐ Plug Back ☐ Liner ☐ Conv. to GSW ☐ Conv. to Producer

☐ Commingled Permit #:
☐ Dual Completion Permit #:
☐ SWD Permit #:
☐ EOR Permit #:
☐ GSW Permit #:

04/28/2015 Spud Date or Recompletion Date
05/09/2015 Date Reached TD
06/02/2015 Completion Date or Recompletion Date

API No.: 15-063-22256-00-00
Spot Description:
SW- SW- NE -SE Sec. 7 Twp. 14 S. R. 30 ☐ East ☑ West
1540 Feet from ☐ North / ☑ South Line of Section
1183 Feet from ☑ East / ☐ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☑ SE ☐ SW
GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Gove
Lease Name: Brownie Well #: 1
Field Name: None (Wildcat)
Producing Formation: LKC I, LKC J, Johnson
Elevation: Ground: 2760 Kelly Bushing: 2765
Total Vertical Depth: 4647 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 217 Feet
Multiple Stage Cementing Collar Used? ☑ Yes ☐ No
If yes, show depth set: 2215 Feet
If Alternate II completion, cement circulated from: 2215
feet depth to: 0 w/ 170 sx cmt.

**Drilling Fluid Management Plan**
*(Data must be collected from the Reserve Pit)*
Chloride content: 0 ppm Fluid volume: 0 bbls
Dewatering method used: Evaporated
Location of fluid disposal if hauled offsite:
Operator Name:
Lease Name: License #:
Quarter Sec. Twp. S. R. ☐ East ☐ West
County: Permit #:

**AFFIDAVIT**
I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

**KCC Office Use ONLY**
☐ **Confidentiality Requested**
Date:
☐ **Confidential Release Date:**
☑ **Wireline Log Received** ☐ **Drill Stem Tests Received**
☐ **Geologist Report / Mud Logs Received**
☐ **UIC Distribution**
**ALT** ☐ **I** ☑ **II** ☐ **III** **Approved by:** Karen Ritter **Date:** 11/28/2017

CORRECTION #2
*Page Two*

[redacted]

1374317

Operator Name: Palomino Petroleum, Inc. Lease Name: Brownie Well #: 1

Sec. 7 Twp. 14 S. R. 30 ☐ East ☑ West County: Gove

**INSTRUCTIONS:** Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

| | | |
|---|---|---|
| Drill Stem Tests Taken *(Attach Additional Sheets)* | ☑ Yes | ☐ No |
| Samples Sent to Geological Survey | ☑ Yes | ☐ No |
| Cores Taken | ☐ Yes | ☑ No |
| Electric Log Run | ☑ Yes | ☐ No |
| Geolgist Report / Mud Logs | ☑ Yes | ☐ No |

List All E. Logs Run:
Attached

☑ Log Formation (Top), Depth and Datum ☐ Sample

| Name | Top | Datum |
|---|---|---|
| Attached | Attached | Attached |

CASING RECORD ☑ New ☐ Used
Report all strings set-conductor, surface, intermediate, production, etc.

| Purpose of String | Size Hole Drilled | Size Casing Set (In O.D.) | Weight Lbs. / Ft. | Setting Depth | Type of Cement | # Sacks Used | Type and Percent Additives |
|---|---|---|---|---|---|---|---|
| Surface | 12.250 | 8.6250 | 23 | 217 | Common | 150 | 2% gel, 3% c.c. |
| Production | 7.8750 | 5.50 | 14 | 4645 | SMD/EA-2 | 195 | 500 gal. mud flush w/ additives, 20 bbls. |
| | | | | | | | |

ADDITIONAL CEMENTING / SQUEEZE RECORD

| Purpose: | Depth Top Bottom | Type of Cement | # Sacks Used | Type and Percent Additives |
|---|---|---|---|---|
| ☐ Perforate ☐ Protect Casing ☐ Plug Back TD ☐ Plug Off Zone | - | | | |
| | - | | | |

1. Did you perform a hydraulic fracturing treatment on this well? ☐ Yes ☑ No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? ☐ Yes ☐ No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? ☐ Yes ☐ No *(If No, fill out Page Three of the ACO-1)*

Date of first Production/Injection or Resumed Production/ Injection: 6/10/2015

Producing Method: ☐ Flowing ☑ Pumping ☐ Gas Lift ☐ Other *(Explain)*

| Estimated Production Per 24 Hours | Oil Bbls. | Gas Mcf | Water Bbls. | Gas-Oil Ratio | Gravity |
|---|---|---|---|---|---|
| | 111 | | 6 | | |

DISPOSITION OF GAS:
☐ Vented ☐ Sold ☐ Used on Lease
*(If vented, Submit ACO-18.)*

METHOD OF COMPLETION:
☐ Open Hole ☑ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*

PRODUCTION INTERVAL:

| Top | Bottom |
|---|---|
| 4058 | 4073 |
| | |

| Shots Per Foot | Perforation Top | Perforation Bottom | Bridge Plug Type | Bridge Plug Set At | Acid, Fracture, Shot, Cementing Squeeze Record *(Amount and Kind of Material Used)* |
|---|---|---|---|---|---|
| 4 | 4073 | 4087 | | | |
| 4 | 4418 | 4422 | | | 250 gal. 15% NE w/2% m.s. acid |
| | | | | | 1250 gal. 15% NE w/2% m.s. acid |
| 4 | 4058 | 4063 | | | 250 gal. 15% NE w/2% m.s. acid |
| | | | | | 1250 gal. 15% NE w/2% m.s. acid |

TUBING RECORD: Size: 2.7850 Set At: 4401 Packer At:

**Mail to: KCC - Conservation Division, 266 N. Main, Suite 220, Wichita, Kansas 67202**

| | |
|---|---|
| Form | ACO1 - Well Completion |
| Operator | Palomino Petroleum, Inc. |
| Well Name | Brownie 1 |
| Doc ID | 1374317 |

All Electric Logs Run

| |
|---|
| Dual Induction |
| Dual Receiver Cement Bond |
| Compensated Density Neutron |
| Micro Resistivity |

| | |
|---|---|
| Form | ACO1 - Well Completion |
| Operator | Palomino Petroleum, Inc. |
| Well Name | Brownie 1 |
| Doc ID | 1374317 |

Tops

| Name | Top | Datum |
|---|---|---|
| Anhy. | 2216 | (+549) |
| Base Anhy. | 2260 | (+505) |
| Heebner | 3812 | (-1047) |
| Toronto | 3834 | (-1069) |
| Lansing | 3851 | (-1086) |
| Muncie Creek | 4004 | (-1239) |
| Stark | 4095 | (-1330) |
| BKC | 4165 | (-1400) |
| Marmaton | 4210 | (-1445) |
| Pawnee | 4292 | (-1527) |
| Myrick Stat. | 4326 | (-1561) |
| Ft. Scott | 4348 | (-1583) |
| Johnson | 4407 | (-1642) |
| Miss. | 4466 | (-1701) |
| LTD | 4647 | (-1882) |

| | |
|---|---|
| Form | ACO1 - Well Completion |
| Operator | Palomino Petroleum, Inc. |
| Well Name | Brownie 1 |
| Doc ID | 1374317 |

Casing

| Purpose Of String | Size Hole Drilled | Size Casing Set | Weight | Setting Depth | Type Of Cement | Number of Sacks Used | Type and Percent Additives |
|---|---|---|---|---|---|---|---|
| Surface | 12.250 | 8.6250 | 23 | 217 | Common | 150 | 2% gel, 3% c.c. |
| Production | 7.8750 | 5.50 | 14 | 4645 | SMD/EA-2 | 195 | 500 gal. mud flush w/ additives, 20 bbls. KCL water |
| | | | | | | | |
| | | | | | | | |

Summary of Changes

Lease Name and Number: Brownie 1

API/Permit #: 15-063-22256-00-00

Doc ID: 1374317

Correction Number: 2

Approved By: Karen Ritter

| Field Name | Previous Value | New Value |
|---|---|---|
| Approved By | NAOMI JAMES | Karen Ritter |
| Approved Date | 08/06/2015 | 11/28/2017 |
| Geologist Report / Mud Logs? | | Yes |
| Operator's Contact Name | K. Robert Watchous | Klee Robert Watchous |
| Perf_acid2 | | 250 gal. 15% NE w/2% m.s. acid |
| Perf_acid3 | | 1250 gal. 15% NE w/2% m.s. acid |
| Perf_acid4 | | 250 gal. 15% NE w/2% m.s. acid |
| Perf_acid5 | | 1250 gal. 15% NE w/2% m.s. acid |
| Perf_perf1bottom | | 4087 |
| Perf_perf1top | | 4073 |

Summary of changes for correction 2 continued

| Field Name | Previous Value | New Value |
|---|---|---|
| Perf_perf2bottom | | 4422 |
| Perf_perf2top | | 4418 |
| Perf_perf4bottom | | 4063 |
| Perf_perf4top | | 4058 |
| Perf_shots1 | | 4 |
| Perf_shots2 | | 4 |
| Perf_shots4 | | 4 |
| PerforationsRevised | | [[dataGrid]] |
| Producing Formation | LKC, Johnson | LKC I, LKC J, Johnson |
| Production Interval #1 | | 4058 |
| Production Interval #3 | | 4073 |
| Tubing Packer At | 3979 | |
| Tubing Size | 2.6250 | 2.7850 |